Length 14.25 ; width 8.00 ; aperture length, 7.00 ; width 4.00 mill. adult.

Length 10.00 ; width 5.25 ; aperture length, 5.00 ; wid!h 3.00 mill. juv.

Type locality. Hayes Creek, near Ward, Montana, in the Bitter Root Momotains, altiturle $382 . i$ feet.
'Iypes in collection of L. E. Damiels.
This Lymarid belongs to the pulustris group and is related to Galba raldii ("Beck" Möller). It differs from that species in being more solid, the periostracum more polished, and the aperture rounder. The greatest difterence is in the inner lip, which is roundly and evenly reflexed over the umbilicus, lacking the twist so noticeable in this group, and resembling in this respect such species as Galbu bulimoides cockerelli and Gulba caperatu. Malfgrown specimens might easily be mistaken for Galba bulimodes, the spiral lines and narrow umbilical chink, however, easily separating them. Vahii has not been found south of the 5 5th parallel, and there is, therefore, a wide gap in the range of the two species.
'The specimens at hand show some variation, one specimen being very obese; while another, which is believed to be typical, has a rather long, turrted spire. The young, half-grown specimens are always obese. 'The specimens were collected by Mr. L. E. Diniels in April 1912.

## RADIX AURICULARIA AT CAMBRIDGE, MASSACHUSETTS.

By W. F. Clapp.

Abont four years ago, a dam was built across the Charles River at Boston. Above this dam, nearly four miles of the river, which was formerly salt and full of marise life, is now fresh water. In the Nauthes, Vol. 25, 1. 132, Mr. C. W. Johmson writes of a colony of Modiolus demisus v. plicatulus Lam., which until a few years ago, lived ahout two milos above the dam. I collected a very fine sot of Puludestrina salsa Pils., and a few Odostomia bisuturalis and trifidn, in $1: 93$, neaty three miles above where the dam now stands. But recorls of the marine molluscan fama of this part of the river seem to be very scarce.

In August, 1912 , Dr. Walter Fiaxon brought me three specimens of Radix muricularia (Linn.), which he lad fomm very near the phace where I had collected $I$. sulsa, and $O$. bisuturalis and trifida in 1893. In October, 1912, IDr. Faxon and I collecting again at this spot. secared several more specimens, varying in age from very young to fully mature. All we found were on Chara, and in more or less deep and exposed parts of the river. I examined quantilies of Potamogeton without securing at specimen, but natily every clump of Chara yielded at least one. In the shallow sheltered coves and ditehes we fonme graat quantities of Gulba palustris, Planorthis tricolvis, Plenorbis allus, Physre heterostiophatal Ancylus parallelus but these species all aroided the deep water of the river as surely as $R$. aurichlaria kept away from the shallow places. I have never fouml Gulba palustris, P. trivolvis, or R. curicnlaria in that part of the river above Watertown which has always been fresh water. The common species there are Psendo succinen columellu amd Plunorbis licarinatus, neither of which have yet been found in the river at Cambridge.

There are numerous explanations for the sudden appearance of exotic species in mexpected localities. A very popular, and probably in many cases a true one, is that they have escaped from some nearby greenhouse. In support of this theory, I will admit that there are several greenhonses in Cambridge, and that from some of them to the river would be but a short walk, but a comparatively long erawl.

## SPH ÆRIIDঙ OLD AND NEW, III.

BYV.SVEKKI.
P. columbianum, ${ }^{1}$ n. sp.-Mussel of medium size, strongly inflated, outlines (along the valve edges) oval to elliptic withont any angles, beaks somewhat behind the middle, barge, prominent, rombled or slighly flattened on top, or even calyenlate : surface more or hess uncen from lines of growth, somewhat shining, with fine irregular strix, color lixht comeous to vellowish, often in alternating zones, shell thin, sub-drasharent ; hinge rathor slight, cardinal teeth small, the risht enmed wiht the proterion and thicker, left

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[^0]:    ${ }^{1}$ The name is not strictly in conformity with the rules, but appears preferable to columbiense.

